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U.S. DEPARTMENT OF AGRICULTURE

# STANDARD SEEDS

## PRICE LIST 1931



BEANS, GOLDEN WAX.

Wm. T. PHILIPPS & CO.

SEEDSMEN

519 MONROE STREET

TOLEDO, OHIO

**I**N PRESENTING you with our list of Seeds for Spring and Summer planting, we beg to say that for many years we have made this our business and feel confident that the Seeds we offer will give you good satisfaction, as great care has been taken to have them grown from the finest strains and tested for vitality before we offer them for sale.

We invite critical inspection before buying elsewhere, for we feel assured that this is needed to convince you that it is not necessary to send out of the city for anything in this line.

Our prices are as low as possible for strictly high grade Seeds—the best it is possible to produce—and no better seeds are to be had at any price.

**OUR PRICES**—We shall adhere as closely as possible to the prices quoted in this catalog but the market value of some seeds is variable. This is most noticeable in grass, clover seeds, onion sets and seed potatoes. Quotations for such articles will be furnished on application.

Our prices include delivery free by mail for all Packets, Ounces and Quarter Pounds purchased from this price list. Prices on larger lots are based on purchaser paying transportation charges.

**ADDRESSES, ETC.**—In ordering, please be particular to sign your Name, also that of your Postoffice, County and State plainly; also mention mode of conveyance you prefer—whether by mail, express or freight. Serious delays are sometimes occasioned by failing to give attention to these matters.

**BAGS ARE FURNISHED AT THE FOLLOWING RATES:** Quarter bushel, 15 cents; half bushel, 20 cents; two bushel, 40 cents.

**NON-WARRANTY**—We give no warranty, expressed or implied, as to the description, purity, productiveness, or any other matter of any seed we send out, and will not be in any way responsible for the crop.

Hoping our customers will appreciate our efforts to meet their wants, and trusting we shall become better acquainted during the coming year, to our mutual profit, and soliciting a share of your orders, we remain,

Yours truly,

**Wm. T. Philipps & Co.**  
**SEEDSMEN**

519 Monroe St.

Toledo, Ohio

# Wm. T. Philipps & Co.

## Standard Vegetable Seeds

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### Asparagus

	Pkt.	Oz.	¼-lb.	Lb.
Palmetto .....	\$0.05	\$0.10	\$0.25	\$0.75
Mary Washington.....	.10	.25	.60	2.00

### Asparagus Roots

Palmetto .....	per hundred, \$1.25; per thousand, \$ 9.00
Washington .....	per hundred, 1.50; per thousand, 12.00

### Beans, Bush, Green Podded

Sold by U. S. Standard Measure  
or Weight

	Pkt.	½-lb.	Lb.	10 Lbs.
White Kidney.....	.10	.15	.25	2.00
White Marrow .....	.10	.15	.25	2.00
White Navy.....	.10	.15	.25	1.75
Stringless Green Pod.....	.10	.25	.40	2.75
Giant Stringless Green Pod.....	.10	.25	.40	2.75
Black Valentine.....	.10	.25	.40	2.75
Imp. Early Rd. Pod, Red Valentine..	.10	.25	.40	2.75
Bountiful .....	.10	.25	.40	2.75
Refugee or Thousand to One.....	.10	.25	.40	2.75
Full Measure .....	.10	.25	.40	3.00
Burpee's Imp. Bush Lima.....	.10	.25	.40	3.00
Fordhook Bush Lima.....	.10	.25	.45	3.50

### Beans, Bush, Wax Podded

Wardwell's Kidney Wax.....	.10	.25	.40	2.75
Davis' Kidney Wax.....	.10	.25	.40	2.75
Currie's Rust Proof Wax.....	.10	.25	.40	2.75
Black Wax Pencil Pod.....	.10	.25	.40	2.75
Golden Wax.....	.10	.25	.40	2.75
Sure Crop Wax .....	.10	.25	.40	2.75
Unrivaled Wax.....	.10	.25	.40	2.75

### Beans, Pole

Extra Early Leviathan Lima.....	.10	.25	.40	2.50
King of the Garden—Extra Large White Lima.....	.10	.25	.40	2.50
Kentucky Wonder .....	.10	.25	.40	3.00
Scarlet Runner.....	.10	.25	.40	3.00
Kentucky Wonder Wax.....	.10	.25	.40	2.75

Special Prices on Bushel Lots and Over

**Beet**

	Pkt.	Oz.	¼-lb.	Lb.
Early Wonder.....	\$0.05	\$0.10	\$0.30	\$1.00
Crosby's Egyptian, Special.....	.05	.10	.30	1.00
Detroit Dark Red.....	.05	.10	.30	1.00
Swiss Chard .....	.05	.10	.25	.85

**Special Prices on 5 lb. Lots and Over****Beet, Sugar**

Klein Wanzleben Sugar.....	.05	.10	.20	.60
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**Beet, Mangel Wurzel**

Mammoth Long Red Jumbo.....	.05	.10	.20	.60
Golden Tankard.....	.05	.10	.20	.60
Giant Half Sugar Rose.....	.05	.10	.20	.60

**Special Prices on 5 lb. Lots and Over****Broccoli**

Large White Mammoth.....	.10	.50	.....	
Italian Green Sprouting.....	.30	.80	2.75	10.00

**Brussels Sprouts**

Improved Half Dwarf.....	.10	.25	.75	2.50
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**Cabbage**

Ex. Early Jersey Wakefield.....	.10	.25	.75	2.50
Charleston Wakefield .....	.10	.25	.75	2.50
Copenhagen Market.....	.10	.30	1.00	3.50
Golden Acre, Danish Grown .....	.10	.50	1.75	6.00
Golden Acre, American Grown .....	.10	.50	1.50	5.00
Glory of Enkhuizen.....	.10	.25	.80	2.75
Sure Head.....	.10	.25	.80	2.75
All Seasons.....	.10	.25	.80	2.75
Hollander or Danish Ball Head.....	.10	.25	.85	3.00
All Head Early Summer.....	.10	.25	.75	2.50
Late Flat Dutch.....	.10	.25	.75	2.50
Drumhead Savoy.....	.10	.25	.75	2.50
Mammoth Rock Red.....	.10	.25	.85	3.00
Early Round Red "Haco".....	.10	.50	1.50	5.00
Wisconsin All Season, Resistant.....	.10	.40	1.25	4.00
Wisconsin Holland, Resistant.....	.10	.40	1.25	4.00
Chinese Pe Tsai.....	.10	.25	.75	2.50
Chinese Wong Bok.....	.10	.25	.85	3.00

**Carrot**

	Pkt.	Oz.	1/4-lb.	Lb.
Chantenay Half Long.....	\$0.10	\$0.15	\$0.35	\$1.00
Danvers Half Long.....	.10	.15	.35	1.00
Coreless .....	.10	.15	.35	1.25
Guerande or Ox Heart.....	.10	.15	.25	.75
Improved Long Orange.....	.10	.15	.25	.75

**Special Prices on 5 lb. Lots and Over****Celery**

White Plume.....	.10	.25	.85	3.00
New Golden Self-Blanching, very fine French grown new type.....	.20	1.00	3.50	12.00
New Golden Self - Blanching, choice American grown from French Seed .....	.10	.50	1.75	6.00
New American Golden Self - Blanching, Tall Strain.....	.10	.50	1.75	6.00
New Golden Self-Blanching, very fine French grown old strain.....	.20	.85	3.00	10.00
Columbia .....	.10	.40	1.25	4.00
Giant Pascal, American grown.....	.10	.30	1.00	3.50
Giant Pascal, French grown.....	.20	.50	1.50	5.00
Easy Blanching .....	.20	.50	1.50	5.00
Emperor .....	.10	.30	1.00	3.50
Golden Plume.....	.15	1.00	3.50	12.00
Golden Phenomenal.....	.25	2.00	7.00	25.00

**Celeriac, or Turnip-Rooted Celery**

Giant Prague .....	.10	.20	.60	2.00
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**Cauliflower**

Extra Early Snow Ball.....	.25	2.00	7.00	.....
Dry Weather; also known as Danish Giant or Gilt Edge.....	.25	2.00	7.00	.....

**Chicory**

Large Rooted .....	.10	.20	.50	1.50
Witloof or French Endive.....	.10	.20	.60	2.00

**Collards**

True Georgian .....	.10	.15	.30	1.00
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**Corn, Sweet or Sugar**

Sold by U. S. Standard Measure or Weight	Pkt.	½-lb.	Lb.	10 Lbs.
Alpha, Extra Early.....	\$0.10	\$0.20	\$0.30	\$2.00
Mammoth White Cory, Ext. Early....	.10	.20	.30	2.00
Golden Bantam.....	.10	.20	.30	2.00
Bardens Wonder Bantam.....	.10	.20	.30	2.25
Delue's Golden Giant.....	.10	.20	.30	2.00
New Wonder.....	.10	.20	.30	2.00
Black Mexican .....	.10	.20	.30	2.00
Country Gentleman.....	.10	.20	.35	2.75
Stowell's Evergreen .....	.10	.20	.30	2.00
Early Market.....	.10	.20	.35	2.50
Golden Sunshine .....	.10	.20	.35	2.50

**Special Prices on Bushel Lots and Over****Corn, Pop Corn**

Early White Rice.....	.10	.15	.25	1.50
Japanese Hulless.....	.10	.15	.25	1.50

**Corn Salad**

	Pkt.	Oz.	¼-lb.	Lb.
Large Seeded .....	\$0.10	\$0.15	\$0.40	\$1.25

**Cress**

Curled or Pepper Grass.....	.10	.15	.30	1.00
True Water.....	.10	.35	1.25	....

**Cucumber**

Extra Early Frame or Short Green	.10	.15	.30	1.00
Early Green Cluster.....	.10	.15	.30	1.00
Early White Spine.....	.10	.15	.30	1.00
Extra Long White Spine, very fine	.10	.15	.35	1.25
Green Prolific.....	.10	.15	.30	1.00
Imp. Long Green.....	.10	.15	.35	1.25
West Indian Gherkin .....	.10	.15	.50	1.75
Chicago Pickling.....	.10	.15	.30	1.00
Boston Pickling.....	.10	.15	.30	1.00
New Davis Perfect.....	.10	.15	.35	1.25
Early Fortune .....	.10	.15	.35	1.25
Longfellow (New) .....	.10	.35	1.25	4.00

**Dandelion**

Improved Large Leaved.....	.10	.75	....	....
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**Egg Plant**

	Pkt.	Oz.	1/4-lb.	Lb.
New York Improved Purple.....	\$0.10	\$0.35	\$1.25	\$4.00
Black Beauty .....	.10	.35	1.25	4.00

**Endive**

Green Curled .....	.10	.15	.40	1.25
Broad Leaved.....	.10	.15	.40	1.25
White Curled.....	.10	.15	.40	1.25
Giant Green Fringed.....	.10	.15	.40	1.25

**Gourds**

Mixed .....	.05	.20	.60	....
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**Kale or Borecole**

Curled Tall Green Scotch.....	.05	.15	.35	1.00
Curled Dwarf Green.....	.05	.15	.35	1.00

**Kohl Rabi**

Early White Vienna.....	.10	.20	.60	2.00
Early Purple Vienna.....	.10	.20	.60	2.00

**Leek**

Large Imp. Lendon Flag.....	.05	.20	.60	2.00
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**Lettuce**

Grand Rapids.....	.10	.15	.45	1.50
Iceberg (Head) .....	.10	.15	.45	1.50
Early Hanson (Head).....	.10	.15	.45	1.50
Black Seeded Simpson.....	.10	.15	.45	1.50
New Salamander (Head).....	.10	.15	.45	1.50
Prize Head .....	.10	.15	.45	1.50
California Cream Butter (Head).....	.10	.15	.45	1.50
Early White Seeded Simpson.....	.10	.15	.45	1.50
Big Boston (Head) .....	.10	.15	.45	1.50
May King (Head).....	.10	.15	.45	1.50
Kingsholm Cos. .....	.10	.15	.45	1.50
New York or Wonderful .....	.10	.20	.70	2.00

Special Prices on 5 lb. Lots and Over

**Musk Melon**

	Pkt.	Oz.	¼-lb.	Lb.
Ex. Early Hackensack.....	\$0.10	\$0.15	\$0.35	\$1.00
Tip Top.....	.10	.15	.35	1.25
Osage or Miller's Cream.....	.10	.15	.35	1.25
Extra Early Osage.....	.10	.15	.35	1.25
Pollock No. 10-25.....	.10	.15	.35	1.25
Hearts of Gold.....	.10	.15	.35	1.25
Bender's Surprise.....	.10	.15	.35	1.25
Lake Champlain.....	.10	.15	.45	1.50
Milwaukee Market.....	.10	.15	.45	1.50
Honey Rock.....	.10	.20	.60	1.75

**Water Melon**

Tom Watson.....	.05	.10	.30	.75
Peerless Imp. Ice Cream.....	.05	.10	.30	.75
Round Light Icing.....	.05	.10	.30	.75
Sweet Heart.....	.05	.10	.30	.75
Preserving Citron.....	.05	.10	.30	.75
Kleckley Sweets.....	.05	.10	.30	.75
Stone Mountain.....	.10	.15	.45	1.50

**Mustard**

White English.....	.05	.10	.20	.50
Fordhook Fancy.....	.05	.10	.25	.75

**Okra**

Dwarf .....	.05	.10	.20	.60
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**Onion Sets**

Sold by U. S. Standard Measure or Weight.	Pkt.	Oz.	¼-lb.	Lb.
White Bottom Sets.....			\$0.25	\$.....
Yellow Bottom Sets.....			.20	.....
Bushel prices on application.				

**Onion**

	Pkt.	Oz.	¼-lb.	Lb.
Yellow Globe Danvers.....	\$0.10	\$0.20	\$0.60	\$2.00
Ohio Yellow Danvers.....	.10	.20	.60	2.00
Southport Yellow Globe.....	.10	.20	.60	2.00
Early Yellow Danvers Flat.....	.10	.15	.50	1.75
Large Red Wethersfield.....	.10	.20	.60	2.00
Southport Red Globe.....	.10	.20	.60	2.00
Mammoth Prize Taker.....	.10	.20	.60	2.00
Southport White Globe.....	.10	.25	.80	2.75
White Portugal or Silverskin.....	.10	.25	.70	2.25

**Special Prices on Large Quantities**

**Parsley**

	Pkt.	Oz.	¼-lb.	Lb.
Champion Moss Curled.....	\$0.05	\$0.10	\$0.30	\$1.00
Extra Double Curled.....	.05	.10	.30	1.00
Plain or Single.....	.05	.10	.30	1.00
Hamburg or Turnip.....	.05	.15	.50	1.50

**Parsnip**

Imp. Hollow Crown.....	.05	.10	.25	.75
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**Peas**

Sold by U. S. Standard Measure  
or Weight

	Pkt.	½-lb.	Lb.	10 Lbs.
Ex. Early Summit.....	\$0.10	\$0.15	\$0.25	\$1.75
Ex. Early Alaska.....	.10	.15	.25	1.75
Nott's Excelsior.....	.10	.20	.30	2.00
Hundredfold.....	.10	.20	.35	2.25
Bliss' American Wonder.....	.10	.20	.35	2.10
Gradus or Prosperity.....	.10	.20	.35	2.25
Laxtonian.....	.10	.25	.35	2.25
Thomas Laxton.....	.10	.20	.35	2.25
McLean's Little Gem.....	.10	.20	.35	2.10
Telephone Improved.....	.10	.20	.35	2.10
Sugar Edible Pod.....	.10	.20	.35	2.25
Alderman.....	.10	.20	.35	2.10
World Record.....	.10	.20	.35	2.25
Little Marvel.....	.10	.20	.35	2.25

**Special Prices on Bushel Lots and Over****Pepper**

	Pkt.	Oz.	¼-lb.	Lb.
Harris Early Giant.....	\$0.10	\$0.45	\$1.50	\$5.00
Ruby King.....	.10	.35	1.00	3.50
Large Bell or Bull Nose.....	.10	.35	1.00	3.50
Long Red Cayenne.....	.10	.35	1.00	3.50
Chinese Giant.....	.10	.50	1.50	5.00
Neapolitan Large Early.....	.10	.35	1.00	3.50
Golden Queen.....	.10	.40	1.25	4.50
Sunnybrook Pimento.....	.10	.35	1.00	3.50
California Wonder.....	.20	.75	2.25	8.00
Yellow Hungarian.....	.20	.60	1.75	6.00

**Potatoes**

Early Irish Cobbler.....	}	(Ask for prices; state variety and quantity)
Early Ohio.....		
Russet Rural or Petoskey.....		

**Pumpkin**

	Pkt.	Oz.	¼-lb.	1.b.
Large Sweet Cheese.....	\$0.05	\$0.10	\$0.25	\$0.75
Connecticut Field.....	.05	.10	.25	.75
Sugar or Pie.....	.05	.10	.30	1.00

**Radish**

Vick's Scarlet Globe Forcing Stock	.10	.15	.30	1.00
Early Scarlet Globe.....	.10	.15	.30	.85
Early Scarlet Turnip White Tip.....	.10	.15	.30	.85
Early White Turnip.....	.10	.15	.30	.85
French Breakfast.....	.10	.15	.30	.85
Wood's Early Frame.....	.10	.15	.30	.85
Early Long Scarlet.....	.10	.15	.30	.85
Cincinnati Market.....	.10	.15	.30	.85
Long White Lady Finger or Vienna	.10	.15	.30	.85
Crimson Giant.....	.10	.15	.30	.85
Icele.....	.10	.15	.30	.85
Early Golden Yellow Oval.....	.10	.15	.30	.85
White Strasburg.....	.10	.15	.30	.85
Improved Chartier.....	.10	.15	.30	.85
Celestial.....	.10	.15	.30	.85
Long Black Spanish.....	.10	.15	.30	.85
Rose Scarlet China Winter.....	.10	.15	.30	.85
Giant White Summer.....	.10	.15	.30	.85
Round Black Spanish.....	.10	.15	.30	.85

**Special Prices on 5 lb. Lots and Over****Salsify**

Mammoth Sandwich Island.....	.10	.20	.60	2.00
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**Squash**

Hubbard Warted.....	.05	.10	.35	1.25
Mammoth White Bush.....	.05	.10	.30	1.00
Ex. Large Golden Bush.....	.05	.10	.30	1.00
Giant Summer Crookneck.....	.05	.10	.30	1.00
Fordhook.....	.05	.10	.35	1.25
Boston Marrow.....	.05	.10	.25	.75
Italian (Cocozella).....	.05	.10	.35	1.25
Blue Hubbard.....	.05	.10	.35	1.25
Table Queen or Acorn.....	.05	.10	.35	1.25

**Special Prices on 5 lb. Lots and Over****Spinach**

Bloomsdale Savoy, Reselected.....	.05	.10	.15	.40
Victoria.....	.05	.10	.15	.40
King of Denmark.....	.05	.10	.20	.50
New Zealand.....	.05	.10	.25	.75
Bloomsdale Long Standing.....	.05	.10	.15	.40
Princess Juliana.....	.05	.10	.20	.50
Virginia Savoy Yellow Resistant.....	.05	.10	.20	.50

**Special Prices on Large Quantities**

**Tomato**

	Pkt.	Oz.	¼-lb.	Lb.
New Dwarf Champion.....	.10	.35	1.25	\$4.00
New Beauty .....	.10	.30	1.00	3.25
Chalk's Early Jewel.....	.10	.30	1.00	3.50
Livingston's Globe.....	.10	.30	1.00	3.75
Spark's Earliana .....	.10	.25	1.00	3.25
New Dwarf Stone .....	.10	.40	1.25	4.00
Stone Selected .....	.10	.25	1.00	3.25
Golden Queen.....	.10	.30	1.00	.....
Yellow Plum.....	.10	.30	1.25	.....
Ponderosa .....	.10	.40	1.50	5.00
Comet for Forcing.....	.10	.35	1.25	4.00
Bonny Best.....	.10	.25	1.00	3.25
John Baer.....	.10	.30	1.00	3.75
Red Head (new).....	.10	.35	1.25	4.00
Greater Baltimore.....	.10	.30	1.00	3.25
Marglobe .....	.10	.40	1.30	4.50

**Tobacco**

Connecticut Seed Leaf.....	.10	.50	.....	.....
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**Turnip**

Extra Early Milan, Purple Top.....	.05	.10	.30	1.00
Early Flat Red or Purple Top.....	.05	.10	.20	.50
Purple Top White Globe.....	.05	.10	.20	.60
Early White Egg.....	.05	.10	.20	.60
Yellow Aberdeen.....	.05	.10	.20	.60
Pomeranian White Globe.....	.05	.10	.20	.60
Golden Ball.....	.05	.10	.20	.60
Long White Cow Horn.....	.05	.10	.20	.60

**Ruta Baga**

Imp. American Swede.....	.05	.10	.20	.60
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**Rhubarb**

Victoria .....	.10	.15	.40	1.25
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**BIRD SEED**

Seeds below are for feeding, not for planting.  
Prices not prepaid.

	Lb.	10 Lbs.
Hemp .....	\$0.15	\$1.25
Rape .....	.15	1.25
Millet .....	.15	1.25
Canary .....	.15	1.25
Sunflower .....	.15	1.25

## Sweet Herbs

	Pkt.	Oz.	1/4 -Lb.	Lb.
Anise .....	\$0.10	\$0.25	\$ .....	\$ .....
Balm .....	.10	.25	.....	.....
Basil .....	.10	.25	.....	.....
Borage .....	.10	.15	.....	.....
Caraway .....	.10	.15	.....	.....
Catnip .....	.10	.30	.....	.....
Chervil .....	.10	.15	.50	1.75
Coriander .....	.10	.15	.....	.....
Dill .....	.10	.15	.25	.75
Fennell .....	.10	.15	.....	.....
Horehound .....	.10	.25	.....	.....
Lavender .....	.10	.25	.....	.....
Marjoram, Sweet.....	.10	.20	.60	2.00
Rosemary .....	.10	.45	.....	.....
Rue .....	.10	.50	.....	.....
Sage .....	.10	.20	.65	2.25
Saffron .....	.10	.25	.....	.....
Summer Savory.....	.10	.20	.....	.....
Garden Sorrel.....	.10	.15	.....	.....
Wormwood .....	.10	.25	.....	.....
Thyme .....	.10	.35	.....	.....

## Standard Flower Seeds

## Aster

	Pkt.	Oz.
Good, Double Mixed.....	\$0.10	\$0.50
Queen of the Market, White .....	.10	.80
Queen of the Market, Shell Pink .....	.10	.80
Queen of the Market, Dark Blue .....	.10	.80
Giant Comet, Deep Rose .....	.10	1.00
Giant Comet, Purple.....	.10	1.00
Giant Comet, Mixed .....	.10	1.00
American Branching, White.....	.10	1.00
American Branching, Shell Pink .....	.10	1.00
American Branching, Light Blue.....	.10	1.00
American Branching, Deep Rose .....	.10	1.00
American Branching, Purple .....	.10	1.00
American Branching, Mixed.....	.10	.90
Heart of France, Bright Crimson.....	.20	1.50

Acroclinium, Double Mixed..... .10 .40

Ageratum, Light Blue .....

.05 .40

Agrostemma, Flower of Heaven .....

.10 .50

## Alyssum

Sweet Alyssum .....	.05	.30
Little Gem, Dwarf.....	.10	.50

**Antirrhinum (Snapdragon)**

	Pkt.	Oz.
Scarlet .....	.10	.75
Pink .....	.10	.75
Yellow .....	.10	.75
White .....	.10	.75
Tall Mixed.....	.10	.50
Dwarf Mixed.....	.10	.60

**Anchusa Italica** ..... .10 1.00

**Balloon Vine** ..... .05 .20

**Balsam**

Double White .....	.10	.75
Double Scarlet.....	.10	.75
Double Mixed .....	.10	.50

**Calendula, Mixed** ..... .05 .20

**Calendula, Ball's Florist Strain** ..... .15 1.25

**Calliopsis, Dwarf Mixed** ..... .05 .30

**Calliopsis, Tinctoria Tall Mixed** ..... .05 .30

**Coreopsis, California Sunbeam** ..... .10 .75

**Candytuft**

Giant White Hyacinth Flowered .....	.10	.45
White .....	.05	.20
Mixed .....	.05	.15

**Canterbury Bells**

Single .....	.10	.60
Double .....	.10	1.50
Cup and Saucer, Mixed.....	.10	2.00

**Carnation**

Vienna Dwarf, Mixed.....	.10	1.25
Marguerite, Mixed .....	.10	.75

**Celosia**

Cristata (Cockscomb), Mixed.....	.10	1.00
Childsii (Chinese Woolflower), Crimson.....	.10	1.50

**Centaurea Cyanus (Bachelor's Button)**

Double Blue.....	.10	.40
Double Mixed.....	.05	.30
Single Blue .....	.05	.30
Single Mixed .....	.05	.20

**Centaurea Imperialis (Royal Sweet Sultan), Mixed** ..... .10 .50

**Centaurea Americana (Basket Flower)** ..... .10 .75

**Cobaea Scandens, Blue** ..... .10 .40

**Columbine**

Single Mixed.....	.10	.60
Double Mixed.....	.10	.60
Long Spurred, Mixed .....	.20	2.50

**Clarkia**

Double and Single Mixed.....	.10	.75
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		Pkt.	Oz.
<b>Cosmos</b>			
Giant Mixed .....		.05	.30
Early Flowering .....		.05	.25
Early Double Crested, Mixed .....		.15	2.00
<b>Cypress Vine</b> .....		.05	.30
<b>Dahlia</b>			
Double From Named Varieties.....		.25	6.00
Single Dwarf Giant Flowered .....		.25	6.00
<b>Daisy</b>			
Shasta, Alaska.....		.15	2.00
Swan River, Mixed.....		.10	1.25
Double Mixed.....		.15	2.00
African Mixed .....		.10	1.00
<b>Dianthus (China Pinks)</b>			
Single Mixed .....		.10	.40
Double Mixed.....		.10	.50
<b>Didiscus, Blue Lace Flower</b> .....		.10	1.00
<b>Digitalis (Foxglove), Mixed</b> .....		.10	.60
<b>Delphinium</b>			
Hardy Larkspur Finest Mixed.....		.10	1.00
Hollyhock Strain.....		.50	7.00
Wrexham Strain .....		.50	7.00
<b>Delphinium (Hardy Larkspur), Finest Mixed</b> .....		.10	1.00
<b>Eschscholtzia (California Poppy), Pure Yellow</b> .....		.05	.25
<b>Euphorbia, Snow on the Mountain</b> .....		.10	1.00
<b>Forget-Me-Not</b>			
Alpestris Royal Blue.....		.10	1.00
Mixed .....		.10	.90
<b>Four o'Clock, Mixed</b> .....		.05	.20
<b>Gaillardia</b>			
Single Mixed.....		.10	.35
Perennial, Mixed.....		.10	.35
<b>Gomphrena (Globe Amaranth), Mixed</b> .....		.10	.25
<b>Gypsophila</b>			
Elegans Grandiflora Alba .....		.05	.25
Paniculata Alba, Perennial .....		.10	.50
<b>Helianthus (Sunflower)</b> .....		.10	1.25
<b>Helichrysum</b>			
Crimson .....		.10	.50
Rosecarmine .....		.10	.50
Salmon Queen .....		.10	.50
Double Mixed .....		.10	.40
<b>Heliotrope, Mixed</b> .....		.10	1.25
<b>Hollyhock</b>			
Double Mixed .....		.10	1.00
Single Mixed .....		.10	.50
<b>Hyacinth Bean, Mixed</b> .....		.05	.20
<b>Job's Tears</b> .....		.05	.20
<b>Kochia Childsii, Summer Cypress</b> .....		.05	.30
<b>Larkspur, Double Mixed</b> .....		.05	.40
<b>Lathyrus Latifolius (Hardy Sweet Peas)</b> .....		.15	.75
<b>Lupinus, Mixed</b> .....		.05	.20
<b>Lantana, Hybrida Mixed</b> .....		.10	.75

		Pkt.	Oz.
<b>Marigold</b>			
African Double Mixed.....		.05	.40
French Double Mixed.....		.05	.40
Orange Ball .....		.10	.75
Lemon Ball.....		.10	.75
<b>Mignonette, Sweet.....</b>		.05	.20
<b>Moonflower (<i>Ipomea Noctiflora</i>), Black Seed.....</b>		.10	.40
<b>Morning Glory</b>			
Convolvulus Major, Mixed.....		.05	.15
Japanese or Emperor, Mixed.....		.05	.20
<b>Nasturtium</b>			
Dwarf Mixed, $\frac{1}{4}$ Lb. \$0.30; 1 Lb. \$1.00.....		.05	.15
Tall Mixed, $\frac{1}{4}$ Lb. \$0.30; 1 Lb. \$1.00.....		.05	.15
<b>Nicotiana (Flowering Tobacco).....</b>		.10	.75
<b>Nigella (Love-In-A-Mist) .....</b>		.05	.30
<b>Pansy</b>			
Good Mixed.....		.10	1.00
Trimardeau Mixed.....		.15	2.00
Riggoli Swiss Giants .....		.50	10.00
<b>Petunia Hybrid, Mixed.....</b>		.10	.75
Balcony Rose .....		.25	5.00
Balcony Deep Blue.....		.25	5.00
Giants of California.....		.25	40.00
<b>Phlox Drummondii</b>			
Scarlet .....		.15	1.50
White .....		.15	1.50
Fine Mixed .....		.10	1.00
Decussata Perennial Mixed.....		.25	3.00
<b>Physalis Franchetti (Lantern Plant) .....</b>		.15	1.00
<b>Poppy</b>			
Double Mixed.....		.05	.20
Shirley Mixed.....		.05	.30
Single Mixed.....		.05	.20
Oriental Scarlet.....		.25	1.50
Iceland, Single Mixed.....		.15	1.00
<b>Portulaca</b>			
Mixed .....		.10	.75
Double Mixed .....		.25	2.50
<b>Ricinus (Castor Oil Beans), Mixed.....</b>		.05	.15
<b>Salpiglossis, Finest Mixed.....</b>		.10	1.00
<b>Salvia, Fireball.....</b>		.25	3.00
<b>Scabiosa (Morning Bride), All Colors Mixed.....</b>		.05	.45
<b>Smilax, Boston.....</b>		.10	.50
<b>Statice, Choice Mixed.....</b>		.10	.40
Latifolia .....		.20	2.50
<b>Stocks, Mixed.....</b>		.15	1.50
Mammoth Early Branching, "Nice".....		.25	2.00
<b>Stokesia (<i>Cyanea Blue</i>).....</b>		.25	3.00
<b>Sweet William</b>			
Single Mixed.....		.10	.50
Double Mixed.....		.10	.60

## Sweet Peas, Spencer Varieties

	Pkt.	Oz.	¼-lb.	Lb.
Asta Ohn, Lavender and Mauve.....	\$0.10	\$0.25	\$0.75	\$2.00
White Spencer, Pure White.....	.10	.25	.75	2.00
Countess Spencer, Best Pink.....	.10	.25	.75	2.00
King Edward Spencer, Scarlet.....	.10	.25	.75	2.00
Superb Spencer Mixed.....	.10	.15	.50	1.50

	Pkt.	Oz.
Thunbergia, Finest Mixed.....	\$0.10	\$0.75

Verbena, Mixed .....	.10	.75
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Wild Flower Garden.....	.05	.40
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## Zinnia

Dwarf Double Mixed.....	.05	.40
Tall Double Mixed.....	.05	.40
Giant Dahlia, Flowering Mixed.....	.15	1.50
Double Giant, Bright Rose .....	.15	1.00
Double Giant, Orange and Gold.....	.15	1.00
Double Giant, Scarlet.....	.15	1.00

Our Fancy Park, Philipps Special and Shady Nook Lawn Grass Mixtures that are so popular with the landscape gardeners are composed of the very best and cleanest grass seed obtainable, no chaff or filler being used. And while the cost per pound may be greater, the cost per lawn will be smaller, as heavy sound, clean seed mixtures of good germination will go much farther than seed that runs thirty to fifty per cent chaff. And in using our grasses you are assured of the minimum amount of weeds, and the maximum in lawn perfection.

**Fancy Park Lawn Grass.** This splendid mixture produces beautiful, permanent lawns. It is composed of grasses which are adapted for the purpose of producing turf that retains its rich, green color throughout the entire summer. In making up this brand we are careful to use only fancy, recleaned seed. Per lb., 55c.

**Philipps Special Lawn Grass.** This is a first-class mixture that will quickly give a thick, green sod. It is composed of good, clean seed and will be found well adapted for general lawn purposes. Per lb., 45c.

**Shady Nook Lawn Grass.** For obtaining a satisfactory growth of grass under trees and in other shady places this mixture, which contains a variety of strong-rooted grasses, is most suitable. Per lb., 60c.

**White Clover.** Fancy, for Lawns, per pound, 65c.

**Summer Flowering Bulbs**

	Each	Per Doz.
Caladium Esculentum.....	\$0.10 to \$0.40	\$1.00 to \$3.00
Cannas .....	.10	.85
Dahlia .....	.15	1.50
Gladiolas, Mixed.....	.10	.50 to 1.00
Maderia Vine Root.....	.10	.75
Tuberoses .....	.10	1.00

**Field Corn.** (Ask for price; state variety and quantity.)

Pride of the North Early Yellow Dent....

Improved Leaming.....	
White Cap Early Yellow Dent.....	
Red Cob Ensilage.....	
Rhode's Early Yellow Dent.....	

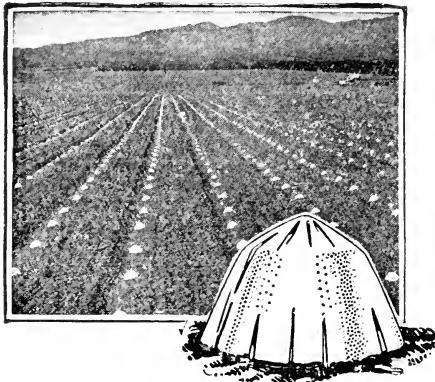
**Farm, Grass and Clover Seeds.** (Ask for prices; state variety and quantity.)

Timothy .....	Barley .....
Orchard Grass .....	Buckwheat .....
Kentucky Blue Grass.....	Dwarf Essex Rape.....
Red Top Fancy.....	Field Peas.....
Hungarian .....	Oats .....
Millet .....	Alsike Clover .....
Medium Red Clover.....	Alfalfa or Lucerne Clove
Mammoth Red Clover.....	Scarlet or Crimson Clove

**Dairy Supplies**—We are agents for the celebrated DeLaval Cream Separator and carry repairs for same; also Milk Bottles, Bottle Caps, Brushes, Coolers, Wire Delivery Baskets, Milk Cans, Dippers, Strainers, etc.

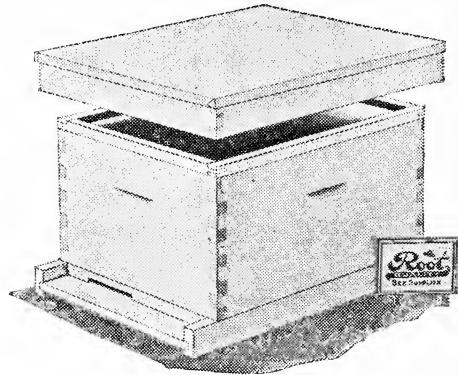
**Hotkaps****New Method of Plant Protection**

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around it, Hotkaps become individual miniature hot-houses.



Prices: 1,000 lots, \$11.50; 5,000 lots, \$11.00 per M; 10,000 lots, \$10.75 per M; 250 Trial Package including Garden Setter with Tamper, \$4.00; 100 Home Package, including Garden Setter with Tamper, \$2.50; Germaco Hotkap Steel Setter with Tamper, \$2.50; postage extra.

# Bee Keepers' Supplies



*Courteous Treatment*

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We Solicit Your Patronage

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We make a specialty of Seeds for Market Gardeners, carrying in stock many lines and articles which we have not space to describe and quote in this pamphlet; if you do not see what you want, please write us; the chances are we have it. If not in stock, we can quickly locate a source of supply and will be glad to serve you.

Yours truly,

Wm. T. Philipps & Co.

## FERTILIZERS

All prices on Fertilizers subject to market changes.

**VIGORO.** A specially prepared plant food for lawns, vegetable and flower gardens, shrubbery, trees, etc. 5 lbs., 50c; \$1.75 per 25 lbs.; 50 lbs., \$3.00; \$5.00 per 100 lbs.

## WIZARD BRAND Sheep Manure

Apply 1000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 30c per 5 lbs.; 10 lbs., 50c; \$1.00 per 25 lbs.; 50 lbs., \$1.75; \$3.00 per 100 lbs.; 500 lbs., \$12.50.



**SULPHATE OF AMMONIA.** Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired; will stimulate growth almost immediately. Analysis equal to 25% of ammonia. 5 lbs., 50c; 80c per 10 lbs.; 25 lbs., \$1.50; \$2.50 per 50 lbs.; 100 lbs., \$4.50; \$8.00 per 200 lbs.

**NITRATE OF SODA.** Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gallon of water and do not apply oftener than twice a week. 5 lbs., 50c; 80c per 10 lbs.; 25 lbs., \$1.50; \$2.50 per 50 lbs.; 100 lbs., \$4.50; \$8.00 per 200 lbs.

**BONE MEAL.** Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1000 lbs. per acre. 35c for 5 lbs.; 10 lbs., 65c; \$1.25 for 25 lbs.; 50 lbs., \$2.00; \$3.50 per 100 lbs.

**ROYSTER'S 4-8-6 LAWN AND GARDEN FERTILIZER.** 25 lbs., \$1.25; 100 lbs., \$3.50; 500 lbs., \$15.00.

**CATTLE MANURE.** Shredded and dried and therefore considerably more concentrated than as it comes from the stable. 100 lbs., \$3.00.

**ADCO.** A bacterial food for making artificial manure, by mixing it with leaves, grass cuttings, green weeds or, in fact all the many wastes that accumulate during the garden year and applying water, the product is a clean manure. 25 lb. bag, sufficient to make one-half ton of manure, \$2.00; \$10.50 per 150 lb. bag, sufficient to make 3 tons of manure.

**MURIATE OF POTASH.** Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. 5 lbs., 50c; 80c per 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.00; \$7.50 for 200 lbs.

**PREMIER BRAND POULTRY MANURE** is a superior fertilizer both from the standpoint of analysis and results produced. It is exceedingly soluble, readily absorbed, stimulates bacterial action in the soil and contains no live seeds or germs. 25 lbs., \$1.25; 100 lbs., \$3.50.

**PEAT MOSS** is successfully used

For general improvements of soil conditions.

For greenhouse benches and seed beds.

For potted plants.

For bulb storage, also tubers over dormant season.

For mulching flower beds, shrubs, evergreens, etc.

For preparing lawns and keeping them in good condition, etc.

Large bale, \$4.50; small bale, \$1.50.

Special Ton Prices on application.

**Lōma**  
REG. U. S. PAT. OFF.  
beautifies lawns and gardens

For the greenest  
grass on your street,  
feed with **Lōma**.



## ROSES FOR THE GARDEN

Many of our old customers are familiar with the high-grade roses that we send out, but to those who have never planted our stock, we wish to direct their attention to the following:

All our roses are 2-year-old field grown budded stock, except where noted: While some planters prefer stock grown on their own roots on account of the possibility of budded plants developing wild shoots, this will rarely occur if the deep planting as directed in the following paragraph is followed. Much can be said in favor of budded plants, they being more vigorous, producing finer blooms, coming into bearing sooner, and are as permanent and hardy as those on their own roots, while many of the very finest varieties will not succeed at all when grown on their own roots. Preference is given to budded plants by all who have had experience with the different classes.

### HOW TO GROW ROSES

**Situation**—Good roses may be grown in any open, sunny position, if sheltered from north winds, and clear of all roots of trees and shrubs.

**Planting**—The soil should be rich, and carefully prepared to a depth of at least 18 inches. The most satisfactory fertilizer to use is well-rotted animal manure, of which a liberal quantity may be thoroughly mixed with the soil. Ground bone meal, at the rate of two handfuls for each plant, may also be added at the time of planting.

Plant Hybrid Tea Roses 18-24 inches apart and Hybrid Perpetuals  $2\frac{1}{2}$ -3 feet apart. All budded roses should be planted so that the crown from which the shoots arise is 1 inch beneath the surface of the bed.

**Winter Protection**—In this latitude we have found that the most satisfactory protection is to draw up a mound of soil from 8 to 10 inches high around the base of the plant, then covering the entire bed after the ground begins to freeze with any loose material, such as straw or \*peat moss.

**Climbing or Trellis Roses**—Planted around verandas or porches they are especially desirable. Other choice locations are for training over summer houses, pergolas, along fences and the rose walk. Climbing roses should be planted from 3 to 8 ft. apart, depending upon how dense a covering is desired. Little, if any, pruning should be done. Branches that grow in long shoots, many times 15 to 20 ft. or more, should be carefully trained and tied to trellis or support.

### HYBRID PERPETUAL ROSES

**Frau Karl Druschki (White American Beauty)**—Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

**Gen. Jacqueminot**—Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities.

**Ulrich Brunner**—A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

**Paul Neyron**—This magnificent rose is by far the largest variety in cultivation. Very double and full, deep rose and delightfully fragrant.

**American Beauty**—Very large flowers, deep pink to carmine-rose, delicately veined with darker red. A strong grower and deliciously fragrant.

**Magna Charta**—An old variety of great merit. The blooms are of large size, in color a bright pink suffused with carmine. It is very fragrant and free flowering.

### HARDY CLIMBING ROSES

**Silver Moon**—Pure white.

**Paul's Scarlet Climber**—Vivid scarlet.

**Dorothy Perkins**—Pure salmon-pink.

**Dr. Van Fleet**—Rich flesh-pink.

**Yellow Rambler**

**American Beauty**

### SELECT HYBRID TEA ROSES

**Killarney**—Bright pink of beautiful form in bud.

**Lady Hillingdon**—Apricot-yellow; very rich and sweet.

**Jonkheer J. L. Mock**—Glowing pink of two contrasting shades.

**Mme. Butterfly**—Pale pink and gold; lovely when cut.

**Mme. Caroline Testout**—Rich pink; very dependable.

**Ophelia**—Almost white shaded  
Each.....40c

pink and gold.

**Sunburst**—Orange and cream; delightful.

**Red Radiance**—Light red. Equal to Radiance.

**Wm. F. Dreer**—Pinkish yellow, unique color.

**Golden Ophelia**—Golden yellow in center shading to pale yellow on the outer petals.

**Duchess of Wellington**—Saffron-yellow buds of great size.

Doz.....\$4.00

## HARDY DECORATIVE SHRUBS and VINES

**ALMOND**, Double-flowering—A handsome bush which blooms early. Red or white.

**ALTHEA** (Rose of Sharon)—Pink, red, white, or purple flowers produced in late summer after the other shrubs are through flowering.

**BUDDLEIA** (Butterfly Bush)—The spikes of purple blooms are very attractive to butterflies.

**FORSYTHIA** (Golden Bell)—Bright yellow flowers at the earliest hint of spring.

**HYDRANGEA**, Hills of Snow—Pure white balls of bloom.

**HYDRANGEA**, Peegee—Immense white flowers.

**LILAC**, Purple—The best liked of all shrubs.

**SPIREA**, Anthony Waterer—Rosy red blooms in late summer.

**SPIREA**, Bridal Wreath—Clusters of white blooms in long garlands.

**VIBURNUM** (Snowball)—White, ball-like flowers for Decoration Day.

**CLEMATIS**, Jackmanni—Violet-purple.

**AMPELOPSIS**, Veitchii (Boston Ivy)—The popular climber for brick and stone buildings and walls.

**AMERICAN IVY**—A well-known sort which is used for covering walls or planting in cemeteries, especially in the shade.

**WISTARIA**—A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously.

Price Each.....40c      Dozen.....\$4.00

**CALIFORNIA PRIVET**—18-24 inch—

Per 10.....\$1.60      Hundred.....\$6.00

**JAPANESE BARBERRY**—12-18 inch—

Per 10.....\$2.00      Hundred.....\$15.00

## EVERGREENS

**ARBOR VITAE**—

**American**—Erect, broadly pyramidal habit. 18-24 inch.....\$1.50

**Globosa**—Forms a dense, low, natural globe. 15-18 inch.....\$1.75

**Pyramidalis**—A densely columnar type, most compact and erect of the entire species. 18-24 inch .....\$1.50

**JUNIPERS**—

**Irish**—Erect, slender and formal in habit; foliage sage green, very compact; making a splendid column. 18-24 inch.....\$2.00

**Pfitzeriana**—One of the most striking of all evergreens. The branches progress spirally along the trunk at a 45-degree angle, thereby making a good "filler"; or standing alone, it acquires the symmetry of a broken column. 15-18 inch.....\$3.00

**SPRUCE**

**Norway**—A lofty, noble tree of open, pyramidal habit, exceedingly picturesque. 1½-2 ft.....\$1.50

## INSECTICIDES AND FUNGICIDES

PLEASE NOTE: Insecticides marked \* cannot be sent by parcel post.



\*The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating insects. It is composed of small glass containers and a special formula of syrup. Antrol sets containing 4 containers and one 4-oz. bottle of syrup 95c; Antrol extra containers, 15c each;



Antrol syrup, 4-oz. bottle, 45c; 95c per pt.

\*ARSENATE OF LEAD (Powdered). 1 lb. to 1½ lbs. dilutes to 50 gals. of water or may be used dry like Paris Green. Per ½ lb., 20c; 35c per lb.; 5 lbs., \$1.25; 25 lbs., \$5.50; \$20.00 per 100 lbs.

\*BLACK LEAF 40. Per 1 oz. bottle, 35c; \$1.25 per ½ lb.; 2 lbs., \$3.75; \$11.85 per 10 lbs.

\*BORDEAUX MIXTURE (Powder). 12½% copper mixture, for spraying purposes. Per ½ lb., 20c; 35c per lb.; 5 lbs., \$1.00; 25 lbs., \$4.50; \$17.00 per 100 lbs.

\*CYANOGAS. (Calcium Cyanide). A valuable insecticide for greenhouse fumigation, for destroying aphis, white fly, soft scale, thrips, etc. It is scattered along the walks, and the house closed for the night. Per lb., 75c; 3.00 per 5 lbs.; 25 lbs., \$10.00. Descriptive circular free.

\*PYROX (Bowker's). A combined insecticide and fungicide for all leaf eating insects, blights and fungous troubles; it is a pasty substance and needs only to be mixed with cold water. Per lb., 50c; \$1.75 per 5 lbs.; 10 lbs., \$3.00; \$6.25 per 25 lbs.; 50 lbs., \$10.75; \$15.50 per 100 lbs.

\*DERRISOL. A highly concentrated, odorless insecticide for the control of plant lice, leaf hopper, green flies, thrips, red spider, etc. 1 oz., 35c; ½ lb., \$1.25; 1 lb., \$2.25; 2 lbs., \$3.25; 10 lbs., \$12.00.

EVERGREEN INSECTICIDE. A non-poisonous insecticide, recommended for killing a wide variety of insects on plants and flowers. Per 1 oz., 35c; \$1.00 per 6 ozs.; 16 ozs., \$2.00; \$3.50 per qt.; gal., \$13.00; \$50.00 per 5 gals.

\*LIME SULPHUR. For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring also for leaf curl of peaches. Per qt., 35c; 75c per gal.; \$3.00 per 5 gals.; ½ bbl. (30 gals.), \$7.50; \$10.00 per bbl. (50 gals.).

LIME SULPHUR (Dry Powder Form). Dilute 1 lb. to 6 gals. of hot or cold water. Per lb., 35c; \$1.25 per 5 lbs.; 10 lbs., \$2.00; \$4.00 per 25 lbs.; \$12.00 per 100 lbs.

\*NICO FUME (Liquid). For use as a spray or vapor, for controlling green fly, aphis, etc., in greenhouses and outdoors. Per ¼ lb., 75c; \$2.00 per lb.; 4 lbs., \$6.25; \$11.50 per 8 lbs.

NICO FUME PAPER. For fumigating greenhouses; gives off dense fumes charged with nicotine. Per box of 24 sheets, \$1.25; \$5.00 for 144 sheets; 288 sheets, \$8.75.

\*NICO FUME FUMIGATING POWDER. A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Per lb. can, \$1.00; \$3.75 for 5 lbs.; 10 lbs., \$6.85.

\*FUNGOTROGEN. A highly concentrated form of fungicide that will conquer mildew and control black spot on roses. It also supplies an essential fertilizer. Dilutes 1 part with 60 parts of water. 75c per ½ pint; pint, \$1.25.

\*MELROSINE. An efficient Rose Bug remedy. A powerful and highly concentrated insecticide, used as a spray when diluted with from 20 to 25 times its bulk of water. Per 6 ozs., 50c; \$1.00 per pint; quart, \$1.75; \$6.00 per gal.

## INSECTICIDES AND FUNGICIDES

**PARA DICHLOROBENZINE.** For peach tree borers; full directions on each package. Can be used successfully only during August and September, the makers claim it is not effective if used at other seasons. Do not use on very young trees. Ask for descriptive circular. Per 1 lb. can, 60c.

\***PARIS GREEN.** A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. It may be used in liquid form 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound of Paris Green to 100 pounds Land Plaster. Per  $\frac{1}{4}$  lb., 15c; 25c per  $\frac{1}{2}$  lb.; lb., 45c; \$2.00 per 5 lbs.

\***SEMESAN (DuBay).** A mercuric disinfectant for the control of many seed, plant and soil diseases. One ounce treats 15 lbs. of seed. Per 2 oz., 50c; \$2.75 per lb.; 5 lbs., \$13.00; \$56.25 per 25 lbs.; 100 lbs., \$220.00.

\***SEMESAN BEL (DuBay).** For treating seed potatoes before planting, controlling seed-borne diseases. 1 lb. treats 70 to 80 bushels of seed. Per 4 oz., 50c; \$1.75 per lb.; 5 lbs. \$8.00; \$31.25 per 25 lbs.; 100 lbs., \$120.00.

\***SEMESAN JR. (DuBay).** For controlling seed-borne diseases of seed field and sweet corn; protects the seed from rotting in the ground. Per 4 oz., 50c; \$1.75 per lb.; 5 lbs., \$8.00; \$31.25 per 25 lbs.; 100 lbs., \$120.00.

\***CERESAN (DuBay).** For treating the seed of small grains, such as barley, oats, wheat, or rye against destructive grain diseases. 2 to 3 ounces are required for one bushel of seed. Per 8 ozs., 50c; 75c per lb.; 5 lbs., \$3.00; \$12.50 per 25 lbs.; 100 lbs., \$49.00.

\***SUNOCO SPRAY OIL.** For the control of scale insects, red spider, aphis, thrip, etc.; cheap, effective and pleasant to handle. Per gal., \$1.25; 5 gals., \$5.00; \$9.75 per 15 gals.; 30 gals., \$16.80; \$24.00 per 50 gals.

\***VOLCK.** A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphis, thrip, etc.; not only kills the insects but also acts as a repellent. Per  $\frac{1}{2}$  pint, 50c; 75c per pint; quart, \$1.00; \$3.00 per gal.; 5 gals., \$12.50.



**SNAROL.** An insecticide bait to combat snails, cutworms, sow bugs and grasshoppers. Price, 1 lb., 45c; 3 lbs. 95c.

**SULPHUR.** Used principally in greenhouses for checking mildew. It is also used as a preventative and cure for San

Jose Scale, when it is used in connection with lime and salt. Per lb., 15c. **PENETROL** is the answer to a problem of long standing; namely, how to obtain a better control of aphis at a lower cost of spray. It does away with the use of soaps or other spreaders. And it saves up to three-fourths or more of the nicotine required in the usual formula. Qt., 75c; Gal. \$1.75.

**NICOTROL** is an activated nicotine spraying preparation made by combining nicotine with **Penetrol**, for those who prefer to purchase the combination in one container. For most aphids, it is generally used at the rate of one gallon Nicotrol to 200 gallons water (or, if desired, Bordeaux Mixture.) Qt., \$1.25 Gal., \$2.75.

**SLUG SHOT, HAMMOND'S—**  
One of the best insecticides for vegetables in use. Non-poisonous to human life. Price, 1 lb., 20c; 5 lb. pkgs., 60c; 250 lb. bbl., \$22.50.



*The National Pest Control*

**GRAPE DUST.** Excellent for the prevention and destruction of mildew on plants. 1 lb., 35c; 5 lbs., 90c; 100 lbs., \$13.50.

## MISCELLANEOUS TOOL

**Easy GARDEN RAISER****Beats 10 Men with Hoes!**

**Kills Weeds, Mulches Soil, Cultivates Garden so much Faster, Easier and Better than Hoeing**

Have a wonderful garden this year—the new, EASY way—with one-tenth the work . . . 10 times the pleasure! Faster-growing, sturdy plants. Earlier, heavier yields.

**Fast As You Walk** —and almost as easy. Just guide it along the row. Sharp blades revolve against double edge underground knife. Kills every weed, crumbles the clods and pulverizes the surface crust. Breaks up and fills the moisture-robbing cracks that appear after every rain. Leaves a perfectly smooth, finely-worked mulch.

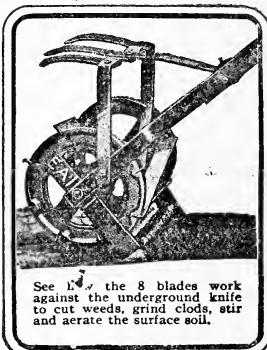
And **MORE!** Stirs and lifts the soil, making it porous and air-filled. This releases a rich store of plant-building elements. The soil is "richer." Plants thrive. They bear earlier. Yields are heavier.

**So Easy to Handle!** Like a light-running lawnmower. Guides so easily that women and children enjoy using the EASY. They can tend a big garden quickly, without tiring. Saves the old-time drudgery of hoeing. No chopping, lifting, jerking. A few minutes of easy work in the cool of the day replaces hours of back-breaking hoeing in the hot sun.

Many improvements. Rust-proof frame. Improved guards protect leaves. Reel blades made of special, highly polished steel.

**PRICES**

6½-inch .....	\$8.00
8½-inch .....	\$8.50
10½-inch .....	\$9.00



See how the 8 blades work against the underground knife to cut weeds, grind clods, stir and aerate the surface soil.

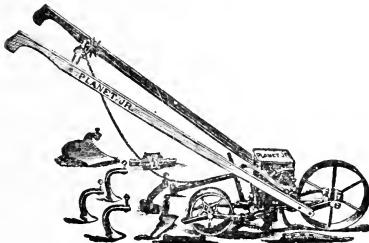
**THE MEEKER HARROW** is a perfect pulverizing and smoothing harrow and land roller combined. It has four sets of rollers equipped with 46, 58 or 82 discs, depending upon the size. These discs are set in alternating rows so that the entire surface is thoroughly worked. They grind up all lumps, leaving the soil fine and smooth. Even in damp soil, the alternating arrangement of the discs prevents clogging. The board in the center serves as a leveler. It is set at an angle and can be adjusted up and down. It smoothes down ridges and fills up the hollows.

**PRICE ON APPLICATION**

# Planet Jr Garden Tools

No. 4 PLANET JR. HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price, \$18.00



Sows all garden seeds, plows, opens furrows and covers them, hoes and cultivates.

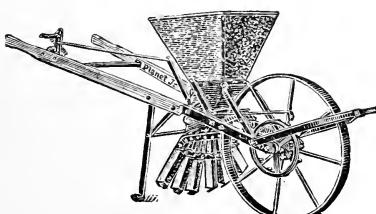
No. 4D SEEDER. PRICE, \$14.25.  
As above less the cultivating attachments.

No. 300 PLANET JR. DRILL SEEDER

Price, \$20.00

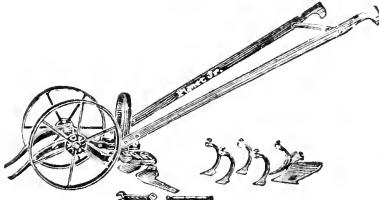


An ideal seeder of the larger type. We recommend this for the large commercial grower. Capacity, 4 quarts.



No. 12 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Price, \$10.75

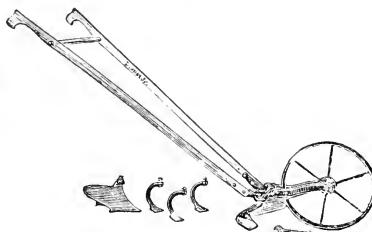


No. 13 DOUBLE WHEEL HOE

This is like No. 12, except that it is equipped with 1 pair side hoes only. Price, \$8.00.

No. 17 PLANET JR. SINGLE WHEEL HOE

Price, \$7.75



No. 17½ SINGLE WHEEL HOE

Same as No. 17, except there is no plow. Price, \$6.75.

No. 18 SINGLE WHEEL HOE

This is like No. 17, except that it is equipped with 1 pair side hoes only. Price, \$5.75.

No. 220 PLANET JR. FERTILIZER DISTRIBUTOR

A very efficient and well built wheel barrow type distributor. Well balanced, sows 100 lbs. to 2000 lbs. per acre, and spreads from 4 in. to 30 in. on the ground. Full details sent on request. Please write. Price \$27.00. Weight for shipping, 104 lbs.

### HUDSON SPRAYER

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized steel, \$6.00; all Brass, \$9.00.



### LOWELL CONTINUOUS SPRAYER

Operates continuously on both the up and down stroke of the plunger and throws a fine, misty spray. Will handle all solutions, insecticides and disinfectants. Tin 75c; Brass \$1.25.

### MAJOR DUSTER

For all powder insecticides. Has large powder reservoir. Strainer shaped to prevent clogging and give uniform volume of discharge. Each \$1.25.

### CADET DUSTER

Adapted for use with all insect powders. A favorite with the housewife in applying roach, and various bug powder. Each, 50c.

### “SUCCESS”

The “Success” is the most popular bucket spray pump on the market. Hundreds of thousands are in use all over the civilized world.

All working parts are brass, except the handle and foot rest, which are malleable iron and practically unbreakable. The foot rest is 15 inches high. Nothing to rust or corrode. Solid brass ball valves are non-chokable. Three feet of  $\frac{3}{8}$ -inch hose and our Bordeaux adjustable spray nozzle are regularly supplied. Price, \$6.00.



### DEMING SPRAY NOZZLES



Fig. 766	“Simplex” Nozzle.....	\$0.50	Fig. 866	“Giant Simplex”
Fig. 766½	“Angle Simplex”			Strainer Nozzle..... 1.00
	Nozzle.....	.65	Fig. 866½	“Giant Simplex”
Fig. 754	“Eureka” Nozzle.....	.50		Angle Nozzle..... 1.05
Fig. 753	“Demorel” Nozzle.....	.70	Fig. 963	“Vermorel” Nozzle.... .90
			Fig. 965	“Bordeaux” Nozzle.... 1.05

### Quantity of Seed Usually Sown to the Acre

Beans, dwarf in drills or rows	1	to 1½ bu.	Grass, Orchard, alone	2 to 3 bu.
Beans, Pole, in hills	8	to 12 qts.	Grass, Kentucky Blue	2 to 3 bu.
Beets in drills	4	to 5 lbs.	Hungarian, alone	¾ to 1 bu.
Barley, broadcast	2	to 3 bu.	Millet, alone	¾ to 1 bu.
Buckwheat	¾	to 1 bu.	Oats, broadcast	2 to 3 bu.
Broom Corn in hills	1	to 6 qts.	Onions, in drills	4 to 6 lbs.
Carrots, in drills	3	to 3½ lbs.	Parsnips, in drills	4 to 6 lbs.
Cucumbers, in hills	1	to 2 lbs.	Peas, Early, in drills	1¼ to 1½ bu.
Corn, in hills	6	to 8 qts.	Peas, Marrow, in drills	1¼ to 1½ bu.
Corn, in drills	2	to 3 bu.	Peas, broadcast	2½ to 3 bu.
Clover, Red, alone		15 lbs.	Potatoes, cut tubers	8 to 10 bu.
Clover, White, alone	8	to 11 lbs.	Radish, in drills	8 to 10 lbs.
Clover, Alsike, alone	8	to 10 lbs.	Rye, broadcast	1½ to 1¼ bu.
Clover, Lucerne	20	to 30 lbs.	Salsify, in drills	8 to 9 lbs.
Flax, broadcast	1	to 2 bu.	Spinach, in drills	8 to 10 lbs.
Grass, Timothy, alone		¼ bu.	Turnip, in drills	1 to 1½ lbs.
Grass, Redtop, alone	1	to 2 bu.	Wheat, broadcast	1¼ to 2 bu.
Grass, Lawn, alone	5	to 6 bu.		

### Quantity of Seed Required for a Given Number of Plants or Number of Hills, or Length of Drill

Asparagus	1 oz. to	60 ft. of drill	Melon, Musk	1 oz. to	60 hills
Beet	1 oz. to	50 ft. of drill	Okra	1 oz. to	40 ft. of drill
Beans, Dwarf	1 qt. to	100 ft. of drill	Onions	1 oz. to	100 ft. of drill
Beans, Pole	1 qt. to	100 hills	Onion Seed for Sets	1 oz. to	40 ft. of drill
Carrot	1 oz. to	150 ft. of drill	Farsley	1 oz. to	150 ft. of drill
Cabbage	1 oz. to	3000 plants	Parsnips	1 oz. to	200 ft. of drill
Cauliflower	1 oz. to	3000 plants	Peas	1 qt. to	100 ft. of drill
Celery	1 oz. to	4000 plants	Pumpkin	1 oz. to	40 hills
Cucumber	1 oz. to	50 hills	Pepper	1 oz. to	2000 plants
Corn	1 qt. to	400 hills	Radish	1 oz. to	100 ft. of drill
Dandelion	1 oz. to	150 ft. of drill	Salsify	1 oz. to	70 ft. of drill
Endive	1 oz. to	150 ft. of drill	Spinach	1 oz. to	50 ft. of drill
Egg Plant	1 oz. to	2000 plants	Squash, Early	1 oz. to	50 hills
Lettuce	1 oz. to	4000 plants	Squash, Marrow	1 oz. to	10 hills
Leek	1 oz. to	100 ft. of drill	Tomato	1 oz. to	3000 plants
Melon, Water	1 oz. to	30 hills	Turnip	1 oz. to	100 ft. of drill

### Number of Plants, Vines, Etc., Required to Set an Acre

1 ft. by 1 ft.	43,560	6 ft. by 6 ft.	1,210
1½ ft. by 1½ ft.	19,360	8 ft. by 8 ft.	680
2 ft. by 1 ft.	21,780	10 ft. by 10 ft.	434
2 ft. by 2 ft.	10,890	12 ft. by 12 ft.	302
2¼ ft. by 2¼ ft.	6,970	15 ft. by 15 ft.	194
3 ft. by 1 ft.	14,520	18 ft. by 18 ft.	134
3 ft. by 2 ft.	7,260	20 ft. by 20 ft.	103
3 ft. by 3 ft.	4,940	25 ft. by 25 ft.	70
4 ft. by 4 ft.	2,722	10 ft. by 30 ft.	40
5 ft. by 5 ft.	1,742	30 ft. by 40 ft.	27

### Weights of Various Articles in the State of Ohio

	per bu.	per bu.	
Barley	48 lbs.	48 lbs.	
Beans	60 lbs.	Irish Potatoes, heaping measure	60 lbs.
Buckwheat	50 lbs.	Millet	50 lbs.
Broom Corn	46 lbs.	Oats	32 lbs.
Blue Grass, Kentucky	14 lbs.	Orchard Grass	14 lbs.
Clover Seed	60 lbs.	Peas	56 to 60 lbs.
Corn, Shelled	56 lbs.	Rye	56 lbs.
Corn on ear	70 lbs.	Red Top Seed	14 lbs.
Cow Peas	60 lbs.	Timothy Seed	45 lbs.
Flax Seed	56 lbs.	Wheat	60 lbs.
Hemp Seed	44 lbs.		

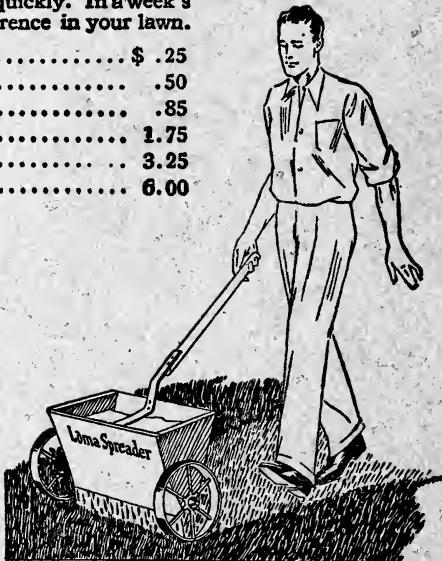
# Lōma

beautifies lawns and gardens

Lōma, the scientifically-prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy, full-bloomed and tall; vegetables such as you have never had before. Lōma is rich in nitrogen. Agricultural experts will tell you that this is the most vital plant food. Lōma works quickly. In a week's time you can see the difference in your lawn.

1-lb. can.....	\$ .25
5-lb. can.....	.50
10-lb. bag.....	.85
25-lb. bag.....	1.75
50-lb. bag.....	3.25
100-lb. bag.....	6.00

Users of Loma will find this Special Loma Spreader convenient in applying Loma evenly on lawns; and likewise will find it indispensable for the sowing of grass seed.



*Companion to your Lawn-mower*

**Wm. T. PHILIPPS & CO.  
SEEDSMEN**

**519 MONROE STREET**

**TOLEDO, OHIO**